

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	949	(523/116).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L2	195	(523/117).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L3	439	(206/63.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L4	1219	(206/219).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L5	1241	(106/35).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L6	1773	(524/493).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:56
L7	172	(501/42).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L8	140	(501/44).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L9	275	(501/45).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L10	178	(501/46).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L11	224	(501/47).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L12	288	(501/48).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L13	253	(501/49).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L14	147	(501/50).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L15	110	(501/51).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L16	159	(501/52).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L17	351	(501/57).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L18	139	(501/58).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L19	354	(501/59).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:57
L20	441	(501/63).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L21	686	(501/64).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58

L22	505	(501/65).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L23	967	(501/66).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L24	519	(501/67).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L25	364	(501/68).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L26	250	(501/22).CCL.S.	US-PGPUB; USPAT	OR	OFF	2008/09/18 10:58
L27	3	((("5093196") or ("4376835") or ("5849649")).PN.	US-PGPUB; USPAT	OR	OFF	2008/09/18 11:01
S2	18	(HOESCHLER SAME STEFAN).in. OR (ALBRECHT SAME DIRK). in. OR (STIPPSCHILD SAME ANDREA).in. OR (DEDE SAME KARSTEN). in.	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:04
S3	8363	(3m).as.	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:05
S4	141892	(silicon near5 dioxide)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:06
S5	143599	(aluminum near5 oxide) OR (boron near5 oxide)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:06
S6	68	(glass near5 particle) same (zone)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:07
S7	0	((S3) OR (S2)) AND (S6)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:07
S8	30	(glass near5 particle) same (zone) AND (alkali smae metal same oxide)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:08
S9	1400	(refractive near5 index) AND (glass near5 particle)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:11
S10	1	(S3) AND (S2) AND (S9)	US-PGPUB; USPAT	OR	OFF	2008/09/17 10:12
S11	18	(HOESCHLER SAME STEFAN).in. OR (ALBRECHT SAME DIRK). in. OR (STIPPSCHILD SAME ANDREA).in. OR (DEDE SAME KARSTEN). in.	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:26
S12	8363	(3m).as.	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:26
S13	5	(S12) AND (S11) AND (dental SAME composition)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:26

S14	0	(S12) AND (S11) AND (dealkalize OR dealkalizing) AND (glass SAME composition)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:28
S15	0	(S12) AND (S11) AND (dealkalize OR dealkalizing OR dealkalize) AND (glass SAME composition)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:28
S16	0	(dealkalize OR dealkalizing OR dealkalize) AND (glass SAME composition SAME dental)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:28
S17	159	(glass SAME composition SAME dental) AND (acid) AND (mill OR crush)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:29
S18	1	("5093196").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:31
S19	1024419	(dealkalized smae glass)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:36
S20	46	(dealkalized SAME glass)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:36
S21	23	(dealkalized SAME glass) AND ((hydrochloric near5 acid ) OR (sulfuric near5 acid ) )	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:36
S22	22	(dealkalized SAME glass) AND ((hydrochloric near5 acid ) OR (sulfuric near5 acid ) ) AND (temperature)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:38
S23	14	(dealkalized SAME glass) AND ((hydrochloric near5 acid ) OR (sulfuric near5 acid ) ) AND (temperature) AND (dealkaliz\$4 SAME temperature)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:39
S24	3	(dealkalized SAME glass) AND ((hydrochloric near5 acid ) OR (sulfuric near5 acid ) ) AND (temperature) AND (dealkaliz\$4 near5 temperature)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:42
S25	3	(dealkalized SAME (glass OR silica)) AND ((hydrochloric near5 acid ) OR (sulfuric near5 acid ) ) AND (temperature) AND (dealkaliz\$4 near5 temperature)	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:44
S26	1	("7140201").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 11:46

S27	12	((("7140201" or ("3801344" or ("4010048" or ("4567030" or ("4764497" or ("5173114" or ("5432130" or ("5618763" or ("5968856" or ("6342458" or ("6514893" or ("6606884"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 12:10
S28	0	"EP 0189540"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/17 12:23
S29	32	((("7140201" or ("3801344" or ("4010048" or ("4567030" or ("4764497" or ("5173114" or ("5432130" or ("5618763" or ("5968856" or ("6342458" or ("6514893" or ("6606884" or ("5432130" or ("5618763" or ("4039919" or ("4764497" or ("6114039" or ("6362251" or ("4376835" or ("4882365" or ("4882365" or ("5641347" or ("6114039" or ("6297181" or ("6245828" or ("6908953" or ("6779656" or ("7098259" or ("4629746" or ("4376835" or ("4629746" or ("4767798" or ("4882365" or ("4900697" or ("5093196" or ("5147904" or ("5292354" or ("5641347" or ("6022819" or ("6114039" or ("6245828" or ("6270562" or	US-PGPUB; USPAT	OR	OFF	2008/09/17 12:33

		("6297181") or ("6306926") or ("6362251") or ("6779656") or ("6908953") or ("7098259")).PN.				
S30	4	(dealkalizi\$4) AND (S29)	US-PGPUB; USPAT	OR	OFF	2008/09/17 12:33
S31	27	(acid) AND (S29)	US-PGPUB; USPAT	OR	OFF	2008/09/17 12:36
S32	29	("4123416"   "4143018"   "4376835"   "4378248"   "4744759"   "4775592"). PN. OR ("4900697"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 12:49
S33	29	(S32) AND (acid)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 12:50
S34	1	("4376835").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 12:52
S35	62	("3814717"   "3986998"   "4063001"   "4209434"   "4215033"   "4271057"). PN. OR ("4376835"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:26
S36	58	(S35) AND (acid)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:27
S37	34	(S35) AND (acid) SAME (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:27
S38	34	(S35) AND ((acid) SAME (temperature))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:27
S39	6471	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:36
S40	3381	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle) SAME temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:36
S41	71	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle) SAME temperature) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:36
S42	0	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle) SAME temperature) AND (dental) AND (de\$2alkalizi \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:38

S43	0	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle) SAME temperature) AND (dental) AND (dealkaliz\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:39
S44	3	((acid) SAME (treatment OR treat\$4) same (glass OR silica) SAME (particle) SAME temperature) AND (dealkaliz\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:39
S45	30	((glass OR silica) SAME (particle) SAME temperature) AND (dealkaliz\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:39
S46	0	((glass OR silica) SAME (particle) SAME temperature) AND (dealkaliz\$4) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:40
S47	2	(S11) AND ((acid) SAME (glass) SAME (treatment))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:42
S48	12	(S11) AND (dental SAME glass)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 13:43
S49	1	("3116991").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 14:23
S50	3	("3116991").URPN.	USPAT	OR	OFF	2008/09/17 14:25
S51	17	("2500801"   "3116991"   "4063916"   "4097258").PN. OR ("4547233").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:32
S52	0	((desalkinization near5 glass) OR (desalkinisation near5 glass))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:33
S53	0	((desalkinization SAME glass) OR (desalkinisation SAME glass))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:33
S54	0	((desalkinization SAME glass) OR (desalkinisation SAME glass))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:33
S55	2	((desalkinization SAME glass) OR (desalkinisation SAME glass))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:34
S56	0	dealkinization near5 glass	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:34
S57	27	dealkizing near5 glass	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:34
S58	1	("3653864").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 14:57

S59	24	("2184320"   "2261689"   "2377062"   "3275470"). PN. OR ("3653864"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:57
S60	781409	glass AND (dealkalization temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:59
S61	14	glass AND (dealkalization near5 temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 14:59
S62	8	("3451796"). URPN.	USPAT	OR	OFF	2008/09/17 15:02
S63	43	glass AND (dealkalization SAME temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:05
S64	65	(glass NEAR10 dealkalization) AND (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:07
S65	91	((glass or silica) NEAR10 (de\$2alkalization)) AND (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:08
S66	0	dental AND (de \$2alkalization) AND (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:09
S67	0	dental AND (de \$2alkalization OR De \$2alkalize) AND (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:09
S68	0	dental AND (de \$2alkalization OR De \$2alkaliz\$4) AND (temperature)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:09
S69	109	(dental near5 filling) AND ((hydrochloric near5 acid) SAME (temperature))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:10
S70	99	(dental near5 filling) AND ((hydrochloric near5 acid) SAME (temperature)) AND (silica OR glass)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:11
S71	1	("20040116550"). PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 16:16
S72	4352	(alkali near5 earth near5 oxide) AND (dental composition)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:57
S73	107	(alkali near5 earth near5 oxide) AND (dental)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:57
S74	41	(alkali near5 earth near5 oxide) AND (dental) AND (sodium near5 oxide)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:58
S75	0	(alkali near5 earth near5 oxide) AND (dental) AND (sodium near5 oxide) same (mol or mole)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:58

S76	0	((alkali near5 earth near5 oxide) AND (dental) AND ((sodium near5 oxide) same (mol or mole)))	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:58
S77	4	((alkali near5 earth near5 oxide) same (mol or mole)) AND (dental) AND (sodium near5 oxide)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:58
S78	12	((alkali near5 earth near5 oxide) same (mol or mole)) AND (dental)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:59
S79	172	((alkali near5 earth near5 oxide) same (mol or mole)) AND (glass)	US-PGPUB; USPAT	OR	OFF	2008/09/17 17:59
S80	1217	((alkali near5 earth near5 oxide) AND (mol or mole)) AND (glass)	US-PGPUB; USPAT	OR	OFF	2008/09/17 18:05
S81	15	((alkali near5 earth near5 oxide) AND (mol or mole)) AND (glass SAME dental)	US-PGPUB; USPAT	OR	OFF	2008/09/17 18:05
S82	1	("5883153").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/17 18:12
S83	32	("3814717"   "4089830"   "4376835"   "4435380"   "4599228"   "4599363"   "4629746"   "4758612"   "4808228"   "4814362"   "4872936"   "4892725"   "4900697"   "5063257"   "5130347"   "5151453").PN. OR ("5883153").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:13
S84	3	(S83) and (sodium near5 oxide)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:14
S85	32	("4527979"   "4540738"   "4569954"   "4585845").PN. OR ("4758612").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:15
S86	6	(S85) and (sodium near5 oxide)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:15
S87	1173	(sodium near5 oxide) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:17
S88	172	(sodium near5 oxide) SAME (amount) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:17
S89	246	((sodium near5 oxide) SAME (amount Or content)) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:17

S90	10	((sodium near5 oxide) SAME (amount Or content)) AND (dental near5 filler)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:17
S91	11	((sodium near5 oxide) SAME (amount Or content) SAME mol) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:20
S92	295	(( (sodium OR lithium OR potassium) near5 oxide) SAME (amount Or content)) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:21
S93	29	(( (sodium OR lithium OR potassium) near5 oxide) SAME (amount Or content) SAME (mol Or mole)) AND (dental)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:21
S94	43	(( (sodium OR lithium OR potassium) near5 oxide) SAME (amount Or content)) AND (S12)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:26
S95	0	(( (sodium OR lithium OR potassium) near5 oxide) SAME (amount Or content) SAME (mol or mole)) AND (S12)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 18:27
S96	1	("6309926").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/18 06:11
S97	1	("6306926").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/18 06:12
S98	1	("7098259").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/18 06:20
S99	3	((("5849649") or ("3193401") or ("2455719")).PN.	US-PGPUB; USPAT	OR	OFF	2008/09/18 06:30
S100	34	("2278867"   "3871890"   "4340645"   "4446241"   "4521524"   "4590171"   "4814298"   "5061658").PN. OR ("2455719"   "3193401"   "5849649").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/18 06:31

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